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For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

WO 2005/070409 A1

(54) Title: A METHOD OF MODULATING PRO-INFLAMMATORY AND INFLAMMATORY ACTIVITY MEDIATED BY C-REACTIVE PROTEIN

(57) Abstract: The present invention relates generally to a method of modulating the proinflammatory activity of C-reactive protein in endothelial cells. More particularly, the present invention relates to down-regulation of proinflammatory activity of C-reactive protein in vascular endothelial cells. Accordingly, the method of the present invention is useful, inter alia, in the treatment and/or prophylaxis of inflammatory conditions, particularly conditions characterised by proinflammatory activity of C-reactive protein in endothelial cells.

INTERNATIONAL SEARCH REPORT

International application No.

PCT/AU2005/000071

A. CLASSIFICATION OF SUBJECT MATTER

Int. Cl. ⁷: A61K 31/20 A61K31/66 A61P 9/10

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

SEE BELOW

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched
SEE BELOW

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)
WPIDS, Medline, CAPLUS: lipoprotein, LDL, HDL, c-reactive protein, cardiovascular disease, atherosclerosis

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 2003/0171251 A1 (Pepys MB) Publication date: 11 September 2003 Paragraphs 5 to 10, 81, Examples, Table 1, Claims	1-75
X	Pepys MB and Hirschfield GM (2001) Ital Heart J 2(3):196-199 "C-reactive protein and atherothrombosis" Abstract and p. 197-198, bridging paragraph	1-75
X	WO 2003/097104 A1 (University College London) Publication date: 27 November 2003 p. 8, 2nd paragraph, p. 14 2nd paragraph, p. 25 2nd paragraph, Claims	1-23, 38-60 and 75

Further documents are listed in the continuation of Box C

See patent family annex

* Special categories of cited documents:	
"A" document defining the general state of the art which is not considered to be of particular relevance ..	"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
"E" earlier application or patent but published on or after the international filing date	"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
"L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)	"Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art
"O" document referring to an oral disclosure, use, exhibition or other means	"&" document member of the same patent family
"P" document published prior to the international filing date but later than the priority date claimed	

Date of the actual completion of the international search
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INTERNATIONAL SEARCH REPORTInternational application No.
PCT/AU2005/000071

C (Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT	
Category* P, X	Citation of document, with indication, where appropriate, of the relevant passages US 6764826 B2 (Yeh <i>et al</i>) Published 20 July 2004 Column 2, lines 25 to 57, Examples 6 and 7 and Claims

INTERNATIONAL SEARCH REPORTInternational application No.
PCT/AU2005/000071**Box No. II Observations where certain claims were found unsearchable (Continuation of item 2 of first sheet)**

This international search report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:

1. Claims Nos.:
because they relate to subject matter not required to be searched by this Authority, namely: .

2. Claims Nos.: 1 to 23, 38 to 60 and 75 (all partially).
because they relate to parts of the international application that do not comply with the prescribed requirements to such an extent that no meaningful international search can be carried out, specifically:
Claims 1 to 23, 38 to 60 and 75 (all partially) have all been partially searched because they are not limited to the technical feature of the invention (in accordance with PCT Rule 6.3). The technical feature of the invention as described in the specification resides in methods for modulating C-reactive protein mediated by lipoproteins, lipids and phospholipids and uses thereof.

3. Claims Nos.:
because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a)

Box No. III Observations where unity of invention is lacking (Continuation of item 3 of first sheet)

This International Searching Authority found multiple inventions in this international application, as follows:

1. As all required additional search fees were timely paid by the applicant, this international search report covers all searchable claims.
2. As all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment of any additional fee.
3. As only some of the required additional search fees were timely paid by the applicant, this international search report covers only those claims for which fees were paid, specifically claims Nos.: .

4. No required additional search fees were timely paid by the applicant. Consequently, this international search report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.: .

Remark on Protest

- The additional search fees were accompanied by the applicant's protest.
 No protest accompanied the payment of additional search fees.

INTERNATIONAL SEARCH REPORT

Information on patent family members

International application No.

PCT/AU2005/000071

This Annex lists the known "A" publication level patent family members relating to the patent documents cited in the above-mentioned international search report. The Australian Patent Office is in no way liable for these particulars which are merely given for the purpose of information.

Patent Document Cited in Search Report		Patent Family Member			
US	2003171251				
WO	03097104	CA	2485852	EP	1503800
US	6764826	AU	75530/01	CA	2411139
		WO	0194951		US 2002142283
Due to data integration issues this family listing may not include 10 digit Australian applications filed since May 2001.				END OF ANNEX	